AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for use in a wireless communications network, comprising:

sending, from a base station to a mobile station, at least one trigger parameter corresponding to a trigger condition, the at least one trigger parameter comprising at least one of a first parameter relating to power headroom increase at the mobile station, and a second parameter relating to power headroom decrease at the mobile station;

in ~~a reverse wireless link~~ response to occurrence of the trigger condition, ~~communicating~~ receiving in a reverse wireless link, information relating to status of a buffer in [[a]] the mobile station and receiving information relating to a data rate used by the mobile station when transmitting over the reverse wireless link~~; and~~

~~in the reverse wireless link, communicating information relating to a data rate used by the mobile station when transmitting over the reverse wireless link~~.

2. (Currently Amended) The method of claim 1, wherein ~~communicating~~ receiving information relating to the status of the buffer comprises ~~communicating~~ receiving information relating to an occupancy of a data buffer.

3. (Currently Amended) The method of claim 1, wherein ~~communicating~~ receiving information relating to the data rate comprises ~~communicating~~ receiving information relating to a maximum data rate supportable by the mobile station over the reverse wireless link.

4. (Currently Amended) The method of claim 3, wherein ~~communicating~~ receiving information relating to the maximum data rate supportable by the mobile station comprises ~~communicating~~ receiving a traffic-to-pilot ratio to indicate the maximum data rate supportable by the mobile station.

5. (Currently Amended) The method of claim 1, further comprising detecting whether [[a]] the trigger condition has occurred~~,~~

~~wherein communicating the information relating to the status of the buffer and the information relating to the data rate is performed in response to occurrence of the trigger condition~~.

6. (Cancelled)

7. (Currently Amended) The method of claim [[6]] 1, further comprising sending at least one other trigger parameter corresponding to at least one other trigger condition, wherein the at least one other parameter comprises a parameter relating to ~~wherein detecting whether one of plural trigger conditions has occurred comprises detecting for the following condition:~~ a maximum time duration between communicating the information relating to the status of the buffer and the information relating to the data rate ~~has elapsed, and a buffer to contain data to transmit over the reverse wireless link is not empty~~.

8. – 9. (Cancelled)

10. (Currently Amended) The method of claim 1, wherein ~~communicating~~ receiving the information relating to a status of a buffer in the mobile station and information relating to a data rate over the reverse wireless link comprises ~~communicating~~ receiving the information relating to the status of the buffer and information relating to the data rate in a reverse request message.

11. (Currently Amended) The method of claim 10, wherein ~~communicating~~ receiving the reverse request message comprises ~~communicating~~ receiving the reverse request message on a reverse request channel (R-REQCH).

12. (Currently Amended) The method of claim 11, wherein ~~communicating~~ receiving the reverse request message comprises ~~communicating~~ receiving the reverse request message containing a first field to represent a maximum traffic-to-pilot ratio, and a second field to represent a buffer status.

13. (Currently Amended) The method of claim 12, wherein ~~communicating~~ receiving the reverse request message comprises ~~communicating~~ receiving the reverse request message containing a third field having an identifier to represent at least one of a service instance and a service class associated with the reverse request message.

14. (Currently Amended) An article comprising at least one storage medium containing instructions that when executed cause a ~~system~~ mobile station in a wireless communications network to:

detect that a trigger condition has occurred, the trigger condition comprising one of a power headroom increase at the mobile station exceeding a first value, and a power headroom decrease at the mobile station exceeding a second value;

~~communicate~~ send, in a reverse wireless link in response to detecting the trigger condition, a message having at least two fields that contain information indicative of a data rate for transmission by [[a]] the mobile station in the reverse wireless link, the information based ~~at least~~ on at least one of buffer occupancy and power headroom.

15. (Currently Amended) The article of claim 14, wherein ~~communicating~~ sending the message in the reverse wireless link comprises ~~communicating~~ sending a message having a first field containing data rate information and a second field for indicating whether the data rate information in the first field is based on buffer occupancy or power headroom.

16. (Currently Amended) The article of claim 14, wherein ~~communicating~~ sending the message in the reverse wireless link comprises ~~communicating~~ sending a message having a first field containing power-related data rate information and a second field containing buffer-related data rate ~~information~~ information.

17. (Currently Amended) The article of claim 14, wherein ~~communicating~~ sending the message in the reverse wireless link comprises ~~communicating~~ sending a message having a first field containing power-related data rate information and a second field containing buffer occupancy information.

18. (Currently Amended) The article of claim 14, wherein ~~communicating~~ sending the message in the reverse wireless link comprises ~~communicating~~ sending a message having a first field containing traffic-to-pilot ratio information, a second field containing buffer occupancy information, and a third field containing an identifier of at least one of a service instance and a service class associated with the buffer occupancy information.

19. (Currently Amended) The article of claim 14, wherein ~~communicating~~ sending the message in the reverse wireless link comprises ~~communicating~~ sending a reverse request message on a code-division multiple access (CDMA) 2000 reverse request channel (R-REQCH).

20. (Currently Amended) A mobile station comprising:

an interface to communicate with a base station over a wireless link;

a buffer to store data for communication over the wireless link to the base station; and

a controller to send information relating to a status of the buffer and information relating to a data rate over the wireless link to the base station in response to a trigger condition, the trigger condition comprising a current power headroom differing from a previous power headroom by more than a predetermined amount.

21. (Original) The mobile station of claim 20, wherein the controller is adapted to send data in the buffer on a reverse packet data channel (R-PDCH).

22. (Original) The mobile station of claim 21, wherein the controller is adapted to send the information relating to the status of the buffer and information relating to the data rate over the wireless link in a reverse request message on a reverse request channel (R-REQCH).

23. (Original) The mobile station of claim 22, wherein R-REQCH is a code-division multiple access (CDMA) 2000 R-REQCH.

24. (New) The method of claim 1, wherein the trigger condition corresponds to an amount of power headroom increase at the mobile station being greater than a value of the first parameter, or an amount of power headroom decrease being greater than a value of the second parameter.

25. (New) The article of claim 14, wherein the instructions when executed cause the mobile station to receive a first trigger parameter containing the first value and a second trigger parameter containing the second value.

26. (New) The article of claim 25, wherein the instructions when executed cause the mobile station to receive at least one other trigger parameter corresponding to another trigger condition, the at least one other trigger parameter indicating a maximum duration between sending the message, the message also being communicated by the mobile station in response to occurrence of the at least one other trigger condition.

27. (New) The mobile station of claim 20, the interface to receive, from the base station, at least one trigger parameter indicating the predetermined amount.